

SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> TRANSCRIPTIONAL ACTIVATOR

<130> FS03-324PCT

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 473

<212> PRT

<213> Rattus norvegicus

<400> 1

Met Ser Asp Gly Asn Pro Glu Leu Leu Ser Thr Ser Gin Thr Tyr Asn
1 5 10 15

Ser Gin Gly Glu Ser Asn Glu Asp Tyr Glu Ile Pro Pro Ile Thr Pro
20 25 30

Pro Asn Leu Pro Glu Pro Ser Leu Leu His Leu Gly Asp His Glu Ala
35 40 45

Gly Tyr His Ser Leu Cys His Gly Leu Ala Pro Asn Gly Leu Leu Pro
50 55 60

Ala Tyr Ser Tyr Gin Ala Met Asp Leu Pro Ala Ile Met Val Ser Asn
65 70 75 80

Met Leu Ala Gin Asp Gly His Leu Leu Ser Gly Gin Leu Pro Thr Ile
85 90 95

Gin Glu Met Val His Ser Glu Val Ala Ala Tyr Asp Ser Gly Arg Pro
100 105 110

Gly Pro Leu Leu Gly Arg Pro Ala Met Leu Ala Ser His Met Ser Ala
115 120 125

Leu Ser Gin Ser Gin Leu Ile Ser Gin Met Gly Leu Arg Ser Gly Ile
130 135 140

Ala His Ser Ser Pro Ser Pro Pro Gly Ser Lys Ser Ala Thr Pro Ser
145 150 155 160

Pro Ser Ser Ser Thr Gin Glu Glu Ser Asp Ala His Phe Lys Ile
165 170 175

Ser Gly Glu Lys Arg Pro Ser Thr Asp Pro Gly Lys Lys Ala Lys Asn
180 185 190

Pro Lys Lys Lys Lys Lys Asp Pro Asn Glu Pro Gin Lys Pro Val
195 200 205

Ser Ala Tyr Ala Leu Phe Phe Arg Asp Thr Gin Ala Ala Ile Lys Gly
210 215 220

Gin Asn Pro Ser Ala Thr Phe Gly Asp Val Ser Lys Ile Val Ala Ser
225 230 235 240

Met Trp Asp Ser Leu Gly Glu Glu Gln Lys Gln Ala Tyr Lys Arg Lys
245 250 255

Thr Glu Ala Ala Lys Lys Glu Tyr Leu Lys Ala Leu Ala Ala Tyr Arg
260 265 270

Ala Ser Leu Val Ser Lys Ser Pro Pro Asp Gln Gly Glu Ala Lys Asn
275 280 285

Ala Gln Ala Asn Pro Pro Ala Lys Met Leu Pro Pro Lys Gln Pro Met
290 295 300

Tyr Ala Met Pro Gly Leu Ala Ser Phe Leu Thr Pro Ser Asp Leu Gln
305 310 315 320

Ala Phe Arg Ser Ala Ala Ser Pro Ala Ser Leu Ala Arg Thr Leu Gly
325 330 335

Ser Lys Ala Leu Leu Pro Gly Leu Ser Thr Ser Pro Pro Pro Pro Ser
340 345 350

Phe Pro Leu Ser Pro Ser Leu His Gln Gln Leu Pro Leu Pro Pro His
355 360 365

Ala Gln Gly Thr Leu Leu Ser Pro Pro Leu Ser Met Ser Pro Ala Pro
370 375 380

Gln Pro Pro Val Leu Pro Ala Pro Met Ala Leu Gln Val Gln Leu Ala
385 390 395 400

Met Ser Pro Ser Pro Pro Gly Pro Gln Asp Phe Pro His Ile Ser Asp
405 410 415

Phe Pro Ser Gly Ser Gly Ser Arg Ser Pro Gly Pro Ser Asn Pro Ser
420 425 430

Ser Ser Gly Asp Trp Asp Gly Ser Tyr Pro Ser Gly Glu Arg Gly Leu
435 440 445

Gly Thr Cys Arg Leu Cys Arg Ser Ser Pro Pro Pro Thr Thr Ser Pro
450 455 460

Lys Asn Leu Gln Glu Pro Ser Ala Arg
465 470

<210> 2

<211> 1419

<212> DNA

<213> Rattus norvegicus

<400> 2

atgagtgacg gaaatccaga gtcctgtca accagccaga cctataacag ccagggcgag 60

agcaacgaag actatgagat ccctccata acaccccca atctccotga gccatccctc 120

ctgcacctgg gggaccacga agccggtaac cactcactgt gtcacggct tgcgcccaac 180

ggtctgctcc cgcctactc gtaccaggca atggatctcc cggccatcat ggtgtccaac 240

atgctggccc aggatggcca cctgctgtca ggacagctgc ccacgatcca gaaatggtc 300

cactcgagg tagctgccta tgactcaggc cggccaggc cccctgctggg cccgcctgcg	360
atgctggcca gccacatgag tgccctcagt caatcccagc tcatactccca gatggccctc	420
cggagttggca ttgcccacag ctccccatca ccccccaggga gcaagtcagc aaccccgct	480
ccatccagct ccaccaggaa ggaggaggta gatgcccatt tcaagattc aggagagaag	540
agaccctcaa cagacccagg caaaaaggcc aaaaatccaa agaagaagaa gaagaaggat	600
cccaatgagc cacagaagcc agtgtcgcc tacgtctct tctcagaga cactcaggct	660
gccatcaagg ggcagaaccc cagtgcacc tttggggatg tttccaaaat tgtggctcc	720
atgtgggaca gcttgggaga agagcagaaa caggcgtata agaggaagac cgaagctgcc	780
aagaaggagt acctgaaagc ctggcgcc tacagagcta gcctcggtc caagagcccc	840
ccggaccaag gcgaggccaa gaacgctcag gcaaaaccac cagccaaaat gcttcaccc	900
aagcagcccc tgcgtccat gcccggctg gcttccttcc tgacgcctc cgacctgcag	960
gctttccgca ggcgcggc tccctgccc ctcgcggcggaa cgctgggctc caaggccctg	1020
ctggcaggcc tcagcaccctc cccaccacca ccctccttcc ctctcagcccc ctcccttgcac	1080
cagcagctgc cactgcccacc ccacgcgcag ggtaccctcc tcagccgcgc tctcagcatg	1140
tcccccagccc cgcgcctcc tgcgtccct gccccatgg cactccagggt gcaagctggcg	1200
atgagccccc cgcgcctccagg gccacaggac tttccacaca tctctgactt ccccaagtggc	1260
tctggctccc gtcacccctgg cccatccaaac ccctccggc gcccggactg ggatgggagt	1320
taccccaagg gggagcgcgg cctcgccacc tgcagactct gcagaaggcag cccaccgc	1380
accaccagcc caaagaacct gcaggaacct tctgcgcgc	1419

<210> 3
 <211> 21
 <212> DNA
 <213> Artificial sequence

<220>
 <223> primer

<400> 3
 cccaaatgagc cacagaagcc a

21

<210> 4
 <211> 20
 <212> DNA
 <213> Artificial sequence

<220>
 <223> primer

<400> 4
 ggaaaggccctg caggtcgagg

20